



Services

- Full turnkey contracts and installation
- A wide variety of filtration and extraction devices
- COSHH-LEV testing
- Spares & Servicing

Sector Experience

- Bakeries
- Food
- Fabrication
- Foundries
- Heavy Engineering
 - Joinery
- Light engineering
- Petrochemical
- Pharmaceutical
- Quarries
- Refractory
- Rubber
- Welding

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Welcome to Alpha Extraction

Today's industry is controlled by Government legislation, insurance companies and Health & Safety requirements to protect employees and the workplace environment from industrial contamination.

Alpha Extraction has a wealth of experience in the field of extraction and filtration of dust and fume-laden air. As a company, our systems are designed to meet the latest and most stringent legislation, whether individual process guidance notes for EPA, COSHH or ATEX, or other regulatory industry specific guidelines.

Alpha Extraction can provide a bespoke solution to your dust and fume control problems. We also offer a wide range and variety of products and services at extremely competitive prices.

Alpha Extraction Ltd
Dust & Fume
Control Engineers

www.alphaextraction.com



Dust & Fume Control

As design engineers in the field of dust and fume control equipment, we have extensive knowledge of the design and benefits of most dust and fume control equipment. We are ideally placed to offer independent advice based on sound engineering practice.

Modern legislation moves on at pace year on year and we offer advice based upon current best practice techniques. We always consult with the most recent and relevant guidance notes for each industry. This is a continual and ongoing process.

Alpha Extraction's wealth of experience in dust and fume control includes light engineering, petrochemical, rubber, food, refractory, quarries and the pharmaceutical industries. We are fully conversant with most modern design techniques and utilise the latest CAD technology.



Fabrication shop, plasma cutting

How Alpha can help you

Our products and services are as follows:

Full turnkey contracts and installation

We are able to offer turnkey installation of dust extraction and fume control systems, fans, filters and ducting systems in stainless steel, mild steel, galvanized steel, PVC or polypropylene. Where appropriate, projects include site visits to determine the type of system required and detailed discussion with operators to ensure the design of a system that will easily incorporate into working practices. A proposal and specification would be submitted for agreement, followed by a fixed price quotation for the work required. ►



Rotary shot glass extraction system. Serviced by reverse jet cartridge filter - Cast & Forging Facility

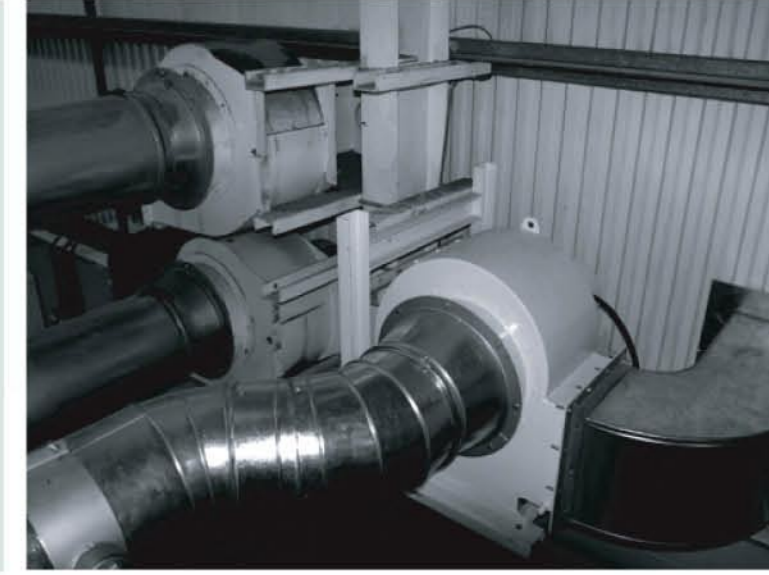
Below: Plasma bed, plate cutting machine - Industrial Fabrication Shop



Carbon fibre extraction system - Aircraft Manufacturer



Left: Refractories installation serviced by reverse jet cartridge filter - Industrial Aggregates



Right: Injection moulding fume extraction system. Serviced by centrifugal fan units - Catering Plastics

As part of the turnkey project, we can offer a wide variety of filtration or extraction devices such as:

Extensive range of shaker and reverse jet type fabric dust filters

With filtration efficiencies of up to 99.99% possible, the reverse jet and fabric shaker filters still occupy the mainstay of many production process plant requirements. From small standalone semi-automatic fabric shaker units to larger modular designed fully automatic reverse jet fabric filters, Alpha will propose and recommend the correct unit solution to any problem.

Wide range of reverse jet cartridge filters

Although not new in concept, recent advances in cartridge technology have allowed the cartridge filter to come of age. It is now regularly applied as standard in many industries. Alpha Extraction have many years experience in the application of these units, from large multiple module centralised reverse jet cartridge filters to small fully automatic standalone systems.

COSHH – LEV testing

It is part of an employers legally required responsibility to ensure the effective control of hazardous dust levels to provide a safe working environment for employees. To ensure full compliance with COSHH regulations it is important that maintenance, examination and testing of LEV systems (Local Exhaust Ventilation) is actioned every 14 months. ►

To enable companies to identify problems and maintain compliance of COSHH Regulations, Alpha offer comprehensive COSHH-LEV test and examination options. These include a full site inspection and service.

Spares & Servicing

Consumable items such as cartridges and filter bags are available at short notice at competitive prices. Alpha only supply equipment spares manufactured from the highest quality materials to ensure longevity and plant performance. We can provide spare components for most dust and fume control systems and more importantly offer an installation service of these components.

We also offer many other products and services:

- Self induced spray type wet collectors
- Oil mist and smoke filtration systems
- Cyclones and pre separation units
- Full range of welding extraction equipment
- Acoustic enclosures and silencers
- Air conditioning and ventilation
- Spares and service contracts
- Advice and evaluation of existing equipment



Chemicals processing exhaust system with fume control equipment

Materials handling extraction system. Fabric shaker and reverse jet cartridge filter



Left: Portable welding fume extraction system



Wax mould preparation. Hepar Filtration System

